



# **SCaN SBIR Technology Commercialization Workshop**



**SCaN Technology Coordination**

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## Overview

- Technology Coordination & Integration
  - SCan-SBIR Technology Approach
  - Timelines
  - Pipelines
- Infusion Examples
- Questions?

# Space Operations Mission Directorate Technology Coordination and Integration



## Objectives

- Establish, coordinate and oversee SOMD SBIR technology areas for:
  - Space Communications
  - Space Transportation
  - Processing and Operations
  - Navigation
- Provide support and recommendations to the SCA Technology Manager concerning the development and integration of select technology areas across the Agency.
- Establish flight demonstration process featuring NASA technology products

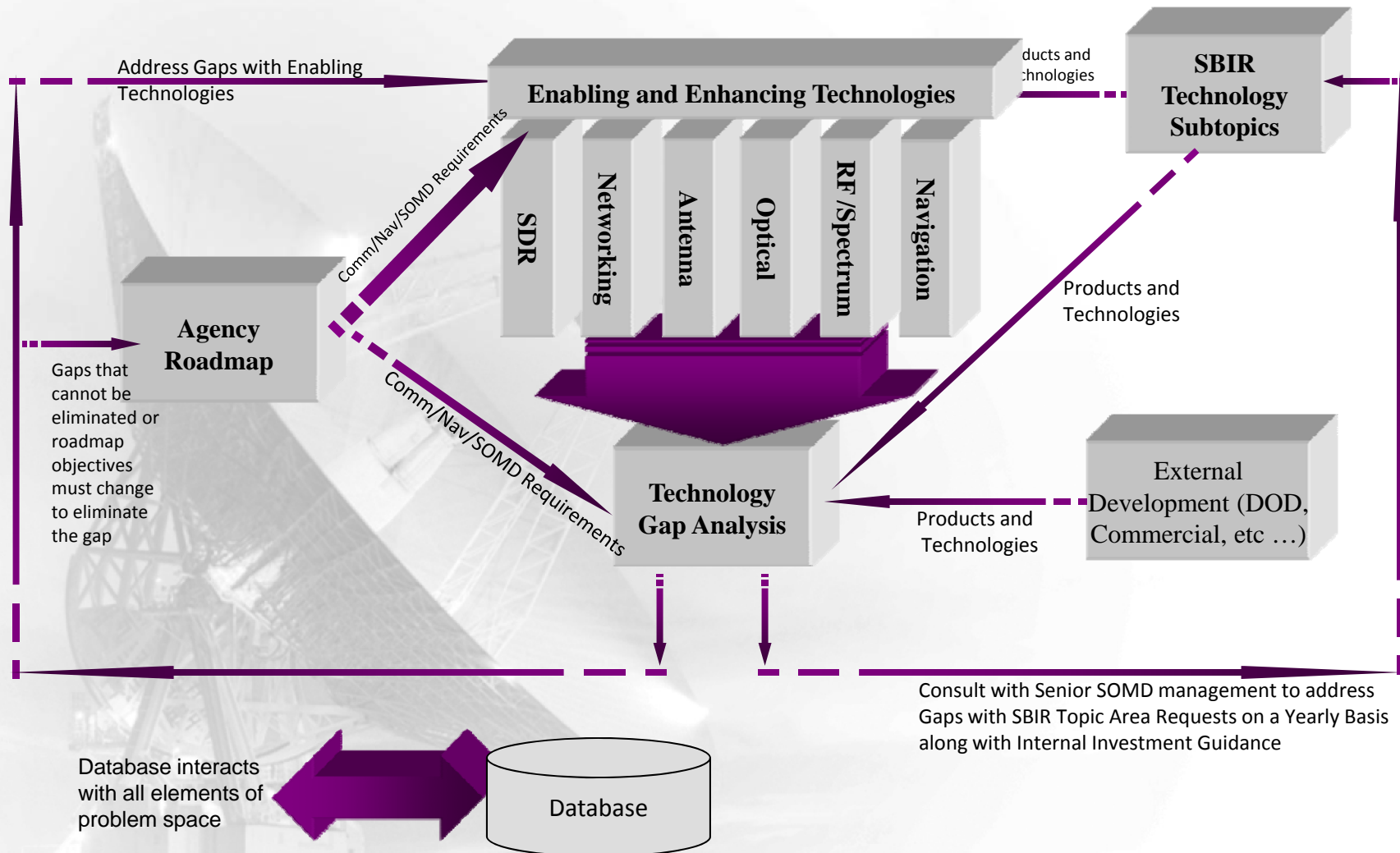
## Approach

- Coordinate technology developed under the SBIR program to augment Agency efforts.
- Discuss technology needs with SOMD, ESMD, SMD, OGA and industry
- Cluster sub-topics to support the development and maturation of critical technologies for infusion.

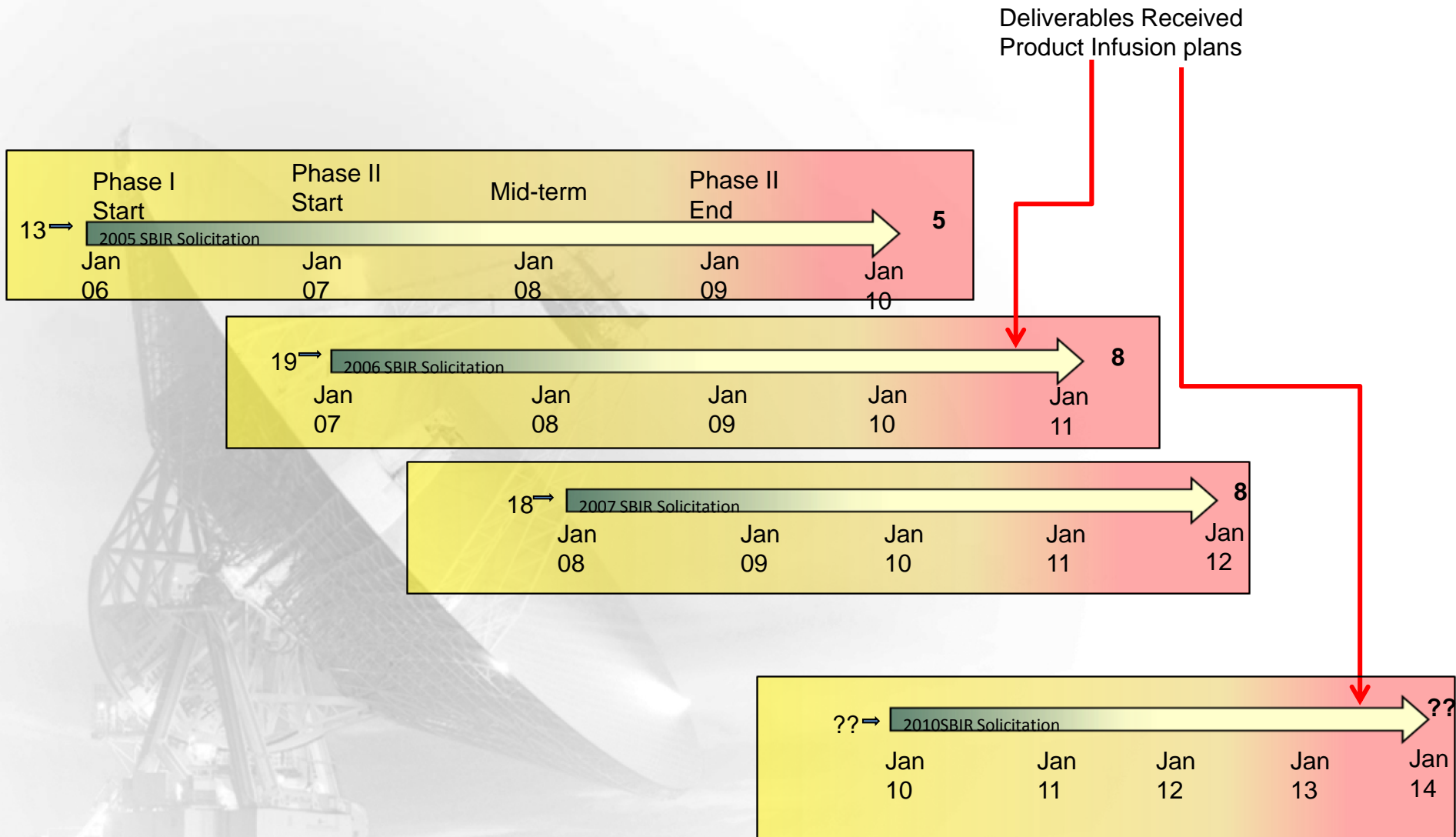
- Provide technology “match making” capabilities/systems for potential internal and external customers



# Technology Integration/Coordination Process



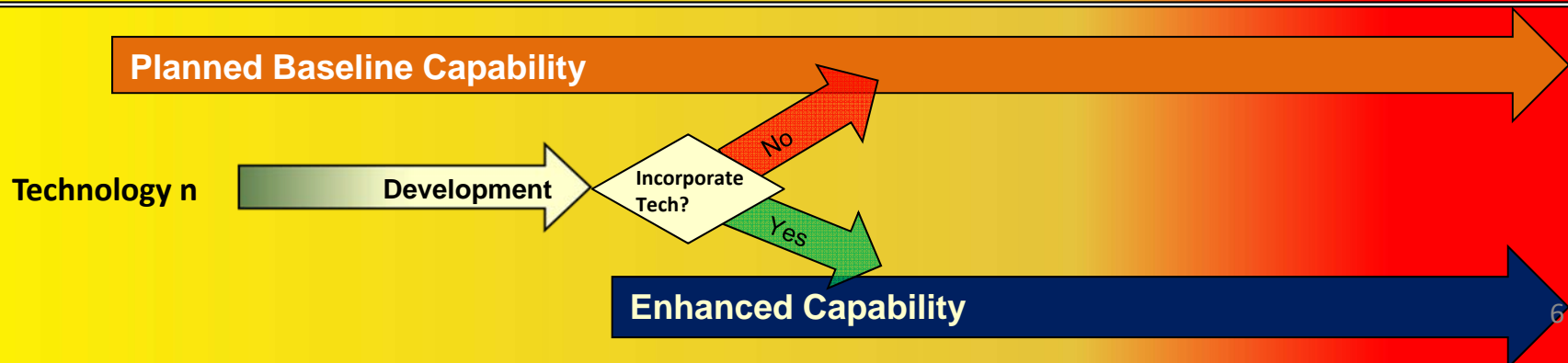
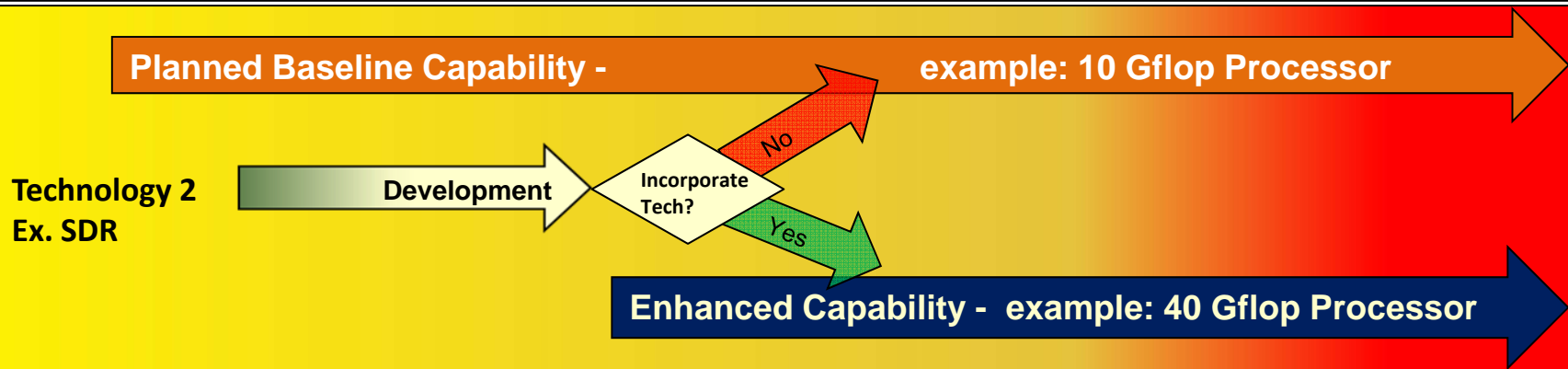
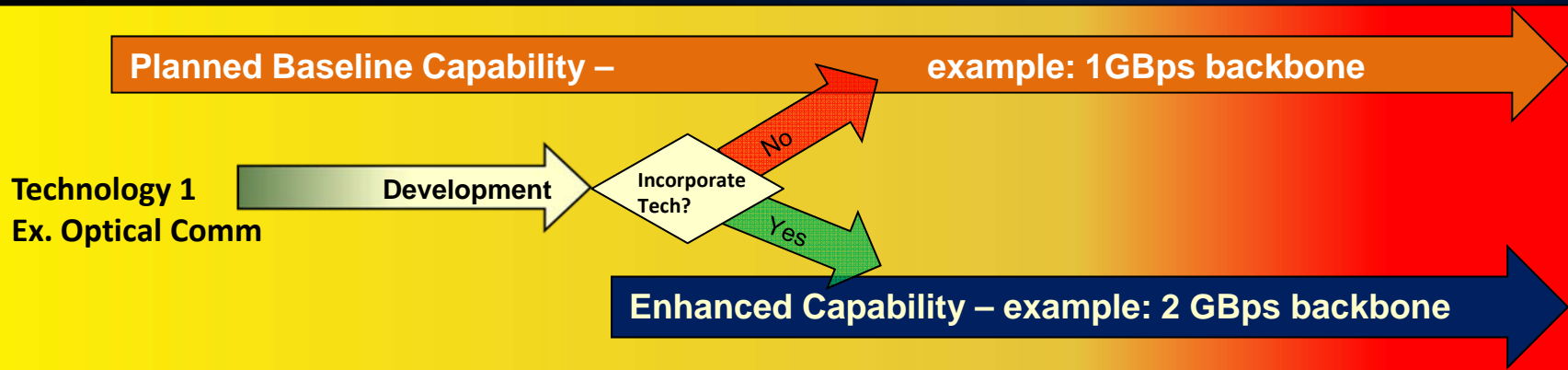
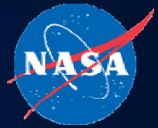
# SOMD SBIR Technology Development Timeline





# Technology Pipelines

## SOMD SBIR



# SBIR Contribution to Wireless Technology



SWIS – Launch to  
Activation Temps

IWIS  
Dynamics

MMA for JEM  
– Micro-G

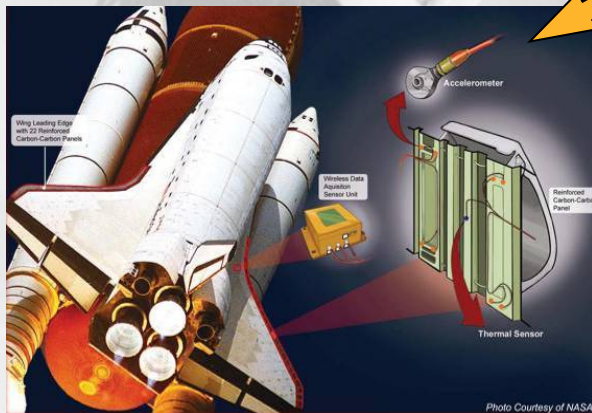
EWIS  
- Dynamics

SCAT SBIR  
Sensor Control and Acquisition  
Telecommunications  
Wireless Instrumentation Systems



Microgravity Instrumentation  
(And Structural Dynamics)

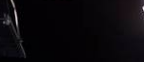
Invocon, Inc.  
2006 SBIR Tibbetts Award



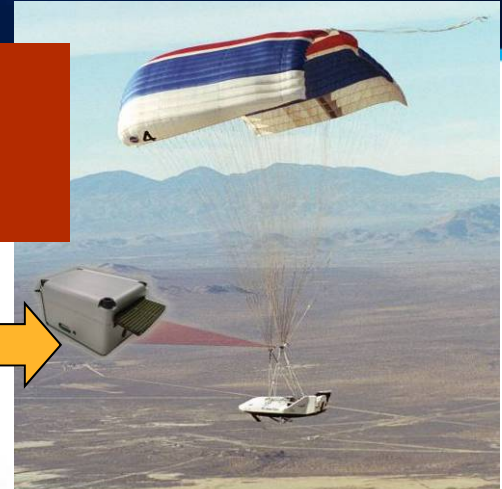
Wing Leading Edge  
Impact Detection System

Micro-Wireless  
Instrumentation Systems

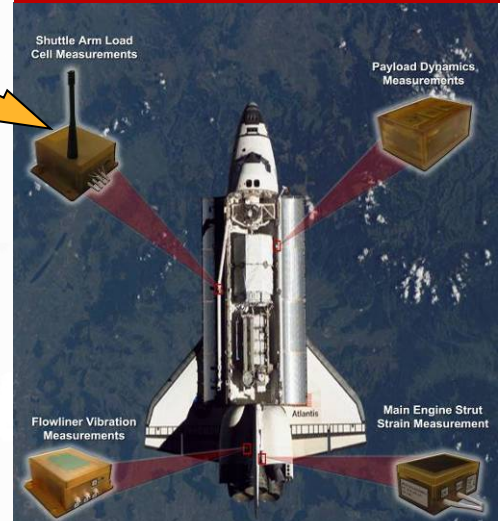
Automated Leak  
Detection & Location



Vehicle Health Monitoring Systems  
with Wireless Systems



Development Flight Instrumentation



Wireless Instrumentation  
and Data Recording

# SOMD



**Questions?**